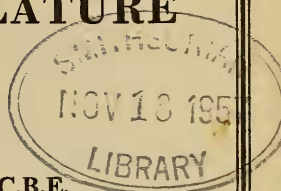


OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.

Secretary to the Commission



VOLUME 1. SECTION E. Part E.12. Pp. 193—214

DIRECTION 73

Addition to the *Official List of Specific Names in Zoology* (a) of the specific names of twenty-five species of the Phyla Mollusca, Brachiopoda, Echinodermata and Chordata, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 and (b) of the specific names of three species belonging respectively to the Phyla Brachiopoda, Echinodermata and Chordata, each of which is currently treated by some or all specialists as a senior subjective synonym of the name of such a species

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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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DIRECTION 73

ADDITION TO THE "OFFICIAL LIST OF SPECIFIC NAMES IN ZOOLOGY" (a) OF THE SPECIFIC NAMES OF TWENTY-FIVE SPECIES OF THE PHyla MOLLUSCA, BRACHIOPODA, ECHINODERMATA AND CHORDATA, EACH OF WHICH IS THE TYPE SPECIES OF A GENUS, THE NAME OF WHICH WAS PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN THE PERIOD UP TO THE END OF 1936 AND (b) OF THE SPECIFIC NAMES OF THREE SPECIES BELONGING RESPECTIVELY TO THE PHyla, BRACHIOPODA, ECHINODERMATA AND CHORDATA, EACH OF WHICH IS CURRENTLY TREATED BY SOME OR ALL SPECIALISTS AS A SENIOR SUBJECTIVE SYNONYM OF THE NAME OF SUCH A SPECIES

RULING :—(1) The under-mentioned specific names of species belonging to the Class Gastropoda, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Ruling given in the *Opinion* cited in each case below, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally cited below :—

- (a) *undatum* Linnaeus, 1758, as published in the combination *Buccinum undatum* (specific name of type species of *Buccinum* Linnaeus, 1758) (*Opinion* 94) (Name No. 1332) ;
- (b) *chinensis* Linnaeus, 1758, as published in the combination *Patella chinensis* (specific name of type species of *Calyptraea* Lamarck, 1799) (*Opinion* 94) (Name No. 1333) ;

- (c) *mercatoria* Linnaeus, 1758, as published in the combination *Voluta mercatoria* (specific name of type species of *Columbella* Lamarck, 1799) (*Opinion* 94) (Name No. 1334) ;
- (d) *fallax* Say, 1825, as published in the combination *Pupa fallax* (specific name of type species of *Leucochila* von Martens, 1860) (*Opinion* 115) (Name No. 1335) ;
- (e) *uva* Linnaeus, 1758, as published in the combination *Turbo uva* (specific name of type species of *Cerion* Röding, 1798) (*Opinion* 119) (Name No. 1336) ;
- (f) *pulligera* Linnaeus, 1767, as published in the combination *Nerita pulligera* (specific name of type species of *Neritina* Lamarck, 1816) (*Opinion* 119) (Name No. 1337) ;
- (g) *voluta* Gmelin, [1791], as published in the combination *Bulla voluta* (specific name of type species of *Oleacina* Röding, 1798) (*Opinion* 119) (Name No. 1338) ;
- (h) *sinuata* Gabb, [1866], as published in the combination *Clavella sinuata* (specific name of type species of *Agasoma* Gabb, [1869]) (*Opinion* 119) (Name No. 1339).

(2) The under-mentioned specific name of a species belonging to the Class Scaphopoda, which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in 1926 by the Ruling giving in *Opinion* 94, is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 1340 :—

elephantinum Linnaeus, 1758, as published in the combination *Dentalium elephantinum* (specific name of type species of *Dentalium* Linnaeus, 1758).

(3) The under-mentioned specific names of species belonging to the Class Pelecypoda, each of which is the

type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in 1926 by the Ruling given in the *Opinion* 94, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally cited below :—

- (a) *truncata* Linnaeus, 1758, as published in the combination *Mya truncata* (specific name of type species of *Mya* Linnaeus, 1758) (Name No. 1341) ;
- (b) *navalis* Linnaeus, 1758, as published in the combination *Teredo navalis* (specific name of type species of *Teredo* Linnaeus, 1758) (Name No. 1342) ;
- (c) *stultorum* Linnaeus, 1758, as published in the combination *Cardium stultorum* (specific name of type species of *Maetra* Linnaeus, 1767) (Name No. 1343).

(4) The under-mentioned specific names of species belonging to the Class Cephalopoda, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Ruling given in the *Opinion* cited in each case below, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally cited below :—

- (a) *argo* Linnaeus, 1758, as published in the combination *Argonauta argo* (specific name of type species of *Argonauta* Linnaeus, 1758) (*Opinion* 94) (Name No. 1344) ;
- (b) *officinalis* Linnaeus, 1758, as published in the combination *Sepia officinalis* (specific name of type species of *Sepia* Linnaeus, 1758) (*Opinion* 94) (Name No. 1345) ;
- (c) *fimbriatus* Sowerby, 1817, as published in the combination *Ammonites fimbriatus* (specific name of type species of *Lytoceras* Suess, 1865) (*Opinion* 130) (Name No. 1346).

(5) The under-mentioned specific name of a species belonging to the Class Holothuroidea, which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in 1924 by the Ruling given in *Opinion* 80, is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 1347 :—

tremula Linnaeus, 1767, as published in the combination *Holothuria tremula* (specific name of type species of *Holothuria* Linnaeus, 1758).

(6) The under-mentioned specific names of species belonging to the Class Crinoidea, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in 1922 by the Ruling given in *Opinion* 73, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally cited below :—

(a) *gracilis* Thomson, 1872, as published in the combination *Bathycrinus gracilis* (specific name of type species of *Bathycrinus* Thomson, 1872) (Name No. 1348) ;

(b) *rangii* d'Orbigny, 1837, as published in the combination *Holopus rangii* (specific name of type species of *Holopus* d'Orbigny, 1837) (Name No. 1349) ;

(c) *wyvillii* Carpenter, 1884, as published in the combination *Metacrinus wyvillii* (specific name of type species of *Metacrinus* Carpenter, 1882) (Name No. 1350) ;

(d) *lofotensis* Sars (M.), 1868, as published in the combination *Rhizocrinus lofotensis* (specific name of type species of *Rhizocrinus* Sars (M.), 1868) (Name No. 1351).

(7) The under-mentioned specific names of species belonging to the Class Urochorda, each of which is the

type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Ruling given in the *Opinion* cited in each case below, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally cited below :—

- (a) *atlanticum* Péron, 1804, as published in the combination *Pyrosoma atlanticum* (specific name of type species of *Pyrosoma* Péron, 1804) (*Opinion* 77) (Name No. 1352) ;
- (b) *lepadiformis* Müller, 1776, as published in the combination *Ascidia lepadiformis* (specific name of type species of *Clavelina* Savigny, 1816) (*Opinion* 94) (Name No. 1353) ;
- (c) *violacea* Savigny, 1816, as published in the combination *Diazona violacea* (specific name of type species of *Diazona* Savigny, 1816) (*Opinion* 94) (Name No. 1354) ;
- (d) *magnilarva* Della Valle, 1881, as published in the combination *Distaplia magnilarva* (specific name of type species of *Distaplia* Della Valle, 1881) (*Opinion* 94) (Name No. 1355).

(8) The under-mentioned specific name of a species belonging to the Class Brachiopoda, which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in 1928 by the Ruling given in *Opinion* 100, is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 1356 :—

typa Winchell, 1863, as published in the combination *Syringothyris typa* (specific name of type species of *Syringothyris* Winchell, 1863) (for use by those specialists who consider that the nominal species *Syringothyris typa* Winchell, 1863, represents a taxon

specifically distinct from that represented by the older established nominal species *Spirifer carteri* Hall, 1857).

(9) The under-mentioned specific names are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified below :—

- (a) *bifida* Pennant, 1777, as published in the combination *Asterias bifida* (Class Crinoidea) (Name No. 1357) ;
- (b) *schlosseri* Pallas, 1766, as published in the combination *Alcyonium schlosseri* (Class Urochorda) (Name No. 1358) ;
- (c) *carteri* Hall, 1857, as published in the combination *Spirifer carteri* (Class Brachiopoda) (Name No. 1359).

I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* has been prepared under a General Directive issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, that the specific names of the species which are the type species of genera, the names of which had been placed on the *Official List of Generic Names in Zoology* prior to the opening of that Congress should, if the oldest available names for the species concerned, be placed on the *Official List of Specific Names in Zoology* and that in other cases there should be placed on that *List* whatever are currently considered to be the oldest available names for the species concerned. The present, which is the seventh in this series, is concerned with completing the action called for under the foregoing Directive in relation to the specific names of species which are the type species of genera belonging to the Phyla Mollusca, Brachiopoda, Echinodermata and Chordata, the names of which were placed on the *Official List of Generic Names in Zoology* up to the end of 1936. The number of names involved is twenty-eight. The

proposals which formed the basis of the decisions taken by the Commission in the present case were submitted by the Secretary in the following paper on 28th August 1956 :—

Proposed addition to the “ Official List of Specific Names in Zoology”
 (a) of the specific names of twenty-five species of the Phyla Mollusca, Brachiopoda, Echinodermata and Chordata, each of which is the type species of a genus, the name of which was placed on the “ Official List of Generic Names in Zoology ” in the period up to the end of 1936 and (b) of the specific names of three species of the Phyla Brachiopoda, Echinodermata and Chordata, each of which is currently treated by some or all specialists as a senior subjective synonym of the name of such a species

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The present paper contains the seventh instalment of proposals for giving effect to the General Directive issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, that in every case where the specific name of the type species of a genus, the name of which had been placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, is the oldest available name for the species concerned, that name shall be placed on the *Official List of Specific Names in Zoology* and that in other cases the specific name currently regarded as the oldest available subjective synonym of that name shall be similarly placed on that *List*. The immediately preceding instalment was concerned with the names of the type species of genera belonging to the Phylum Arthropoda, exclusive of genera belonging to the Class Insecta and to the Order Decapoda of the Class Crustacea (Z.N.(S.) 1018). The paper in question was submitted to the International Commission with Voting Paper V.P.(O.M.)(56)14.¹

2. The proposals now submitted relate to the type species of genera belonging to the Phyla Mollusca (Classes Gastropoda, Scaphopoda, Pelecypoda and Cephalopoda), Brachiopoda, Echinodermata (Classes Asteroidea, Holothuroidea and Crinoidea) and Chordata (Class Urochorda). The total number of names of genera belonging to the foregoing Phyla placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 amounted to forty-one. These names were placed on the *Official List* by the Rulings given in the

¹ The decision taken by the International Commission on the Voting Paper here referred to has since been embodied in *Direction 67* (1957, *Ops. Decls. int. Comm. zool. Nomencl.* 1(E) : 111—128).

following *Opinions* :—*Opinion* 94 (twenty-two names) ; *Opinion* 119 (six names) ; *Opinion* 73 (five names) ; *Opinion* 100 (two names) ; *Opinions* 77, 80, 115, 121, 129, and 130 (one name each).

3. In ten cases the name of the type species of the genus concerned has already been placed on the *Official List of Specific Names in Zoology*. The names concerned are the following :—

(a) *One name placed on the "Official List" by the Ruling given in "Opinion" 333 :—*

edulis Linnaeus, 1758, as published in the combination *Mytilus edulis* (specific name of type species of *Mytilus* Linnaeus, 1758, placed on the *Official List* by the Ruling given in *Opinion* 94) (Class Pelecypoda) (Name No. 286) ;

(b) *Seven names placed on the "Official List" by the Ruling given in "Opinion" 336 :—*

<i>Specific name of type species</i>	<i>Name of genus of which species cited in Col. (1) is type species</i>	<i>Name No. on "Official List"</i>
(1)	(2)	(3)
Class Gastropoda		
<i>fontinalis</i> Linnaeus, 1758 (<i>Bulla</i>)	<i>Physa</i> Draparnaud, [1801] (<i>Opinion</i> 94)	355
<i>maximus</i> Linnaeus, 1758 (<i>Limax</i>)	<i>Limax</i> Linnaeus, 1758 (<i>Opinion</i> 94)	375
<i>pellucida</i> Müller (O.F.), 1774 (<i>Helix</i>)	<i>Vitrina</i> Draparnaud, [1801] (<i>Opinion</i> 119)	388
<i>pomatia</i> Linnaeus, 1758 (<i>Helix</i>)	<i>Helix</i> Linnaeus, 1758 (<i>Opinion</i> 94)	392
<i>putris</i> Linnaeus, 1758 (<i>Helix</i>)	<i>Succinea</i> Draparnaud, [1801] (<i>Opinion</i> 94)	395
Class Pelecypoda		
<i>cornea</i> Linnaeus, 1758 (<i>Tellina</i>)	<i>Sphaerium</i> Scopoli, 1777 (<i>Opinion</i> 94)	427
<i>cygneus</i> Linnaeus, 1758 (<i>Mytilus</i>)	<i>Anodonta</i> Lamarck, 1799 (<i>Opinion</i> 94)	429

(c) One name placed on the "Official List" by the Ruling given in "Opinion" 356 :

edulis Linnaeus, 1758, as published in the combination *Ostrea edulis* (specific name of type species of *Ostrea* Linnaeus, 1758, placed on the *Official List* by the Ruling given in *Opinion* 94) (Class Pelecypoda) (Name No. 495)

(d) One name placed on the "Official List" by the Ruling given in "Opinion" 419* :

striatus Martin, 1809, as published in the combination *Conchylolithus Anomites (striatus)* (specific name of type species of *Spirifer* Sowerby (J.), 1816, placed on the *Official List* by the Ruling given under the Plenary Powers in *Opinion* 100) (Class Brachiopoda) (Name No. 739)

(Note : In the Ruling given in *Opinion* 100 this name was incorrectly stated to have been published in the combination *Anomia striata*. This slip was corrected in the Ruling given in *Opinion* 419.)

4. In addition, the name for the type species of one other nominal genus belonging to the group here under consideration has been the subject of a decision by the International Commission. This genus is *Luidia* Forbes, 1839 (Class Asteroidea), the name of which was placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 129. The type species of this genus is the nominal species *Luidia fragilissima* Forbes, 1839, which is currently identified with *Asterias ciliaris* Philippi, 1837. Under the General Directive referred to in paragraph 1 above it is therefore the latter and not the former name which requires to be placed on the *Official List of Specific Names in Zoology*. This action has been taken by the Commission by the Ruling given in *Opinion* 210, under the name *ciliaris* Philippi, 1837 (*Asterias*) was placed on the *Official List* with the Name No. 20.

5. When allowance is made for the action described in paragraphs 3 and 4 above, it is seen that the number of names which now require to be considered is reduced from forty-one to thirty. In three of these cases further action requires to be taken by the Commission and accordingly it is proposed to defer submitting any recommendation in regard to them until the Commission has had an opportunity of considering all aspects of the problems raised. The net number of names which it is proposed that the Commission should deal with on the present occasion is thus reduced to twenty-seven.

* This *Opinion* is now in the press. The Ruling given in it is based upon an application submitted by Muir-Wood (H.M.) & Stubblefield (C.J.), 1951, *Bull. zool. Nomencl.* 6 : 7—17. [The *Opinion* here referred to was published on 17th September 1956 (*Ops. Decls. int. Comm. zool. Nomencl.* 14 : 69—128).]

6. The three names now postponed for further examination are given below, together with a brief explanation of the issue involved :—

(a) Class Gastropoda

(1) *Clausilia* Draparnaud, [1805] (Z.N.(S.) 872)

The name *Clausilia* Draparnaud, [1805], was placed on the *Official List* by the Ruling given in *Opinion* 119. There are unresolved difficulties, both taxonomic and nomenclatorial, in regard to the type species of this genus.

(2) *Tornatellina* Pfeiffer, 1842 (Z.N.(S.) 1147)

The name *Tornatellina* Pfeiffer, 1842, was placed on the *Official List* by the Ruling given in *Opinion* 119. The difficulty in this case arises from the existence of a senior subjective synonym, *Strobilus* Anton, 1839, which was incorrectly left on one side in the above *Opinion* on the ground that it was a junior homonym of *Strobila* Sars, 1835.

(b) Class Urochorda

(3) *Molgula* Forbes, 1848 (Z.N.(S.) 1073)

The name *Molgula* Forbes, 1848, was placed on the *Official List* by the Ruling given in *Opinion* 94. In this case also the difficulty arises from the existence of a senior subjective synonym *Caesira* Fleming, 1822, a name which appears to have been overlooked and more recently to have been ignored.²

7. On the present as on previous similar occasions a search of the literature has been undertaken by the Office of the Commission for the purpose of checking and, where necessary, completing the entries made on the *Official List* in the period under review. This investigation has disclosed a number of individual problems which require to be brought to the attention of the International Commission. These problems have been discussed in a paper bearing the Number Z.N.(S.) 1123 which is being submitted to the Commission with Voting Paper V.P.(O.M.)(56)20³ simultaneously with the present paper.

8. The elucidation of the problems involved in the present group of names has been greatly assisted by the co-operation and advice afforded by a number of specialists in the groups concerned. To all of these the grateful thanks of the International Commission are due. The specialists who have assisted in this way, together with particulars (a) of their present appointments or of the appointments which they

² A decision has since been taken by the Commission in regard to the name *Molgula* and the decision so taken has been embodied in *Direction* 80 (now in the press).

³ The decision since taken by the Commission on the Voting Paper here referred to has been embodied in *Direction* 72 which is published simultaneously with the present *Direction* as Part E.11 of the present Section of Volume 1.

held at the time when consultations took place and (b) of the Classes on the names of genera of which assistance has been afforded, are the following :—

- L. Bairstow (*British Museum (Natural History), London*) (Class Cephalopoda)
 R. S. Bassler (*Smithsonian Institution, U.S. National Museum, Washington, D.C., U.S.A.*) (Class Crinoidea)
 N. J. Berrill (*McGill University, Montreal, Canada*) (Class Urochorda)
 L. R. Cox (*British Museum (Natural History), London*) (Class Gastropoda)
 Karl Jordan (*British Museum (Natural History), Zoological Museum, Tring, Herts.*) (Classes Brachiopoda, Gastropoda, Urochorda)
 Raymond C. Moore (*University of Kansas, Lawrence, Kansas, U.S.A.*) (Class Crinoidea)
 Miss Helen M. Muir-Wood (*British Museum (Natural History), London*) (Class Brachiopoda)
 R. Winckworth (*London*).

9. The postponement for further consideration of the three cases briefly discussed in paragraph 6 above reduces to twenty-seven the number of cases on which it is possible to submit recommendations at the present time. The investigations carried out show that in twenty-four cases the specific name of the genus concerned is an available name and is currently accepted as the oldest name for the species concerned. Particulars of these names are given in Annexe 1 attached to the present paper. In two cases the specific name of the type species of the genus concerned is also an available name but is currently treated by specialists as a subjective synonym of a name of older date. In these cases, particulars of which are given in Annexe 2, it is the older of the names concerned which in each instance it is recommended should be placed on the *Official List*. In the last case, which is concerned with the name of the type species of *Syringothyris* Winchell, 1863, the specific name (*typha* Winchell, 1863) of the type species is accepted by some specialists as the name for a taxonomically valid species but is regarded by others as a junior (subjective) synonym of another name (*carteri* Hall, 1857). In this case it is recommended that in accordance with the prescribed practice (1) the name *carteri* Hall, as a specific name accepted by all specialists as the oldest available name for the taxon so named, should be placed on the *Official List of Specific Names in Zoology* and (2) that there be placed on the same *Official List* the specific name *typha* Winchell, 1863, as the specific name of the type species of *Syringothyris* Winchell, with an endorsement that it is so placed for use by those specialists who consider that the taxon so named is distinct from that represented by *carteri* Hall, 1857.

10. It is recommended that in accordance with the General Directive referred to in the first paragraph of the present paper the International

Commission on Zoological Nomenclature should place on the *Official List of Specific Names in Zoology* :—

- (1) the twenty-four specific names enumerated in Col. (1) of Annexe 1, each of which is the specific name of the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 ;
- (2) the two specific names enumerated in Col. (1) of Annexe 2, each of which is currently regarded as a senior subjective synonym of the name of the type species of a genus, the name of which was placed on the foregoing *Official List* in the same period ;
- (3) the two specific names enumerated in Col. (1) of Annexe 3, of which the first is the specific name of the type species of a genus, the name of which was placed on the above *Official List* in the foregoing period and the second is a name treated by some specialists as a senior subjective synonym of the above name, the entry in regard to the first of these names to be endorsed in the manner specified in Col. (2) of the said Annexe.

ANNEXE 1

Specific names of twenty-four nominal species belonging to the Phyla Mollusca, Brachiopoda, Echinodermata and Chordata, each of which is (a) the specific name of the type species of a genus, the name of which was placed on the “ Official List of Generic Names in Zoology ” in the period up to the end of 1936, and (b) is the oldest available name for the species concerned

<i>Specific name proposed to be placed on the “ Official List of Specific Names in Zoology ”</i>	<i>Combination in which name in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)
Class GASTROPODA		
<i>Opinion 94</i>		
<i>undatum</i> Linnaeus, 1758	<i>Buccinum undatum</i>	<i>Buccinum</i> Linnaeus, 1758
<i>chinensis</i> Linnaeus, 1758	<i>Patella chinensis</i>	<i>Calyptraea</i> Lamarck, 1799
<i>mercatoria</i> Linnaeus, 1758	<i>Voluta mercatoria</i>	<i>Columbella</i> Lamarck, 1799

*Specific name
proposed to be
placed on the
" Official List of
Specific Names in
Zoology "*

*Combination in
which name
in Col. 1 was
originally published*

*Name of genus of
which species specified
in Col. 1 is the
type species*

(1)

(2)

(3)

*Opinion 115**fallax* Say, 1825*Pupa fallax**Leucochila* von
Martens, 1860*Opinion 119**uva* Linnaeus, 1758
pulligera Linnaeus,
1767*Turbo uva*
*Nerita pulligera**Cerion* Röding, 1798
Neritina Lamarck,
1816*voluta* Gmelin, [1791]*Bulla voluta**Oleacina* Röding,
1798*Opinion 121**sinuata* Gabb, [1866]*Clavella sinuata**Agasoma* Gabb,
[1869]

Class SCAPHOPODA

*Opinion 94**elephantinum* Linnaeus,
1758*Dentalium elephantin-*
*um**Dentalium* Linnaeus,
1758

Class PELECYPODA

*Opinion 94**truncata* Linnaeus,
1758*Mya truncata**Mya* Linnaeus, 1758*navalis* Linnaeus, 1758*Teredo navalis**Teredo* Linnaeus,
1758*stultorum* Linnaeus,
1758*Cardium stultorum**Mactra* Linnaeus,
1767

Class CEPHALOPODA

*Opinion 94**argo* Linnaeus, 1758*Argonauta argo**Argonauta* Linnaeus.
1758

Specific name proposed to be placed on the "Official List of Specific Names in Zoology"	Combination in which name in Col. 1 was originally published	Name of genus of which species specified in Col. 1 is the type species
(1)	(2)	(3)
<i>officinalis</i> Linnaeus, 1758	<i>Sepia officinalis</i>	<i>Sepia</i> Linnaeus, 1758
Opinion 130		
<i>fimbriatus</i> Sowerby, 1817	<i>Ammonites fimbriatus</i>	<i>Lytoceras</i> Suess, 1865
Class HOLOTHUROIDEA		
Opinion 80		
<i>tremula</i> Linnaeus, 1767	<i>Holothuria tremula</i>	<i>Holothuria</i> Linnaeus, 1767
Class CRINOIDEA		
Opinion 73		
<i>gracilis</i> Thomson, 1872	<i>Bathycrinus gracilis</i>	<i>Bathycrinus</i> Thomson, 1872
<i>rangii</i> d'Orbigny, 1837	<i>Holopus rangii</i>	<i>Holopus</i> d'Orbigny, 1837
<i>wywillii</i> Carpenter, 1884	<i>Metacrinus wywillii</i>	<i>Metacrinus</i> Carpenter, 1882
<i>lofotensis</i> Sars, 1868	<i>Rhizocrinus lofotensis</i>	<i>Rhizocrinus</i> Sars, 1868
Class UROCHORDA		
Opinion 77		
<i>atlanticum</i> Péron, 1804	<i>Pyrosoma atlanticum</i>	<i>Pyrosoma</i> Péron, 1804
Opinion 94		
<i>lepadiformis</i> Müller, 1776	<i>Ascidia lepadiformis</i>	<i>Clavelina</i> Savigny, 1816

<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)
<i>violacea</i> Savigny, 1816	<i>Diazona violacea</i>	<i>Diazona</i> Savigny, 1816
<i>magnilarva</i> Della Valle, 1881	<i>Distaplia magnilarva</i>	<i>Distaplia</i> Della Valle, 1881

ANNEXE 2

Specific names of two species belonging to the Phyla Echinodermata and Chordata respectively, each of which is subjectively identified with a nominal species of later date which is the type species of a genus, the name of which was placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936

<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i>	<i>Remarks (not for inclusion in the entry to be made on the "Official List")</i>
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Class CRINOIDEA

Opinion 73

<i>bifida</i> Pennant, 1777, as published in the combination <i>Asterias bifida</i>	A senior subjective synonym of <i>gorgonia</i> Fréminville, 1811, as published in the combination <i>Antedon gorgonia</i> , the specific name of the type species of <i>Antedon</i> Fréminville, 1811
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Specific name proposed to be placed on the " Official List of Specific Names in Zoology "

Remarks
(*not for inclusion in the entry to be made on the " Official List "*)

Class UROCHORDA

Opinion 94

schlosseri Pallas, 1766, as published in the combination *Alcyonium schlosseri*

A senior subjective synonym of *stellatus* Gaertner, 1774, as published in the combination *Botryllus stellatus*, the specific name of the type species of *Botryllus* Gaertner, 1774

ANNEXE 3

Specific names of two nominal species belonging to the Phylum Brachiopoda, of which the first is the specific name of the type species of a genus, the name of which was placed on the " Official List of Generic Names in Zoology " in the period up to the end of 1936, and the second is the name of a nominal species of earlier date subjectively identified by some specialists with the first of the species concerned

Specific name proposed to be placed on the " Official List of Specific Names in Zoology "

Remarks

Class BRACHIOPODA

Opinion 100

typa Winchell, 1863, as published in the combination *Syringothyris typa*

Specific name of type species of *Syringothyris* Winchell, 1863 (for use by those specialists who consider that *typa* Winchell, 1863 and *carteri* Hall, 1857 are not conspecific)

carteri Hall, 1857, as published in the combination *Spirifer carteri*

[Considered by some specialists to be a senior subjective synonym of *typa* Winchell, 1863, the specific name of the type species of *Syringothyris* Winchell, 1863]

2. Registration of the present application : Upon the receipt of Mr. Hemming's paper the question of the addition to the *Official List of Specific Names in Zoology* of the specific names of the type species of genera belonging to the Phyla Mollusca, Brachiopoda, Echinodermata and Chordata, the name of which had been placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 was allotted the Registered No. Z.N.(S.) 1124.

II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

3. Issue of Voting Paper V.P.(O.M.)(56)21 : On 28th August 1956 a Voting Paper V.P.(O.M.)(56)21 was issued in which each member of the Commission was asked (1) to state whether he agreed "that, in conformity with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress on Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1948, the names of species belonging to genera of the Phyla Mollusca, Brachiopoda, Echinodermata and Chordata referred to in Sections (1), (2) and (3) of paragraph 10 of the paper bearing the Registered Number Z.N.(S.) 1124, submitted by the Secretary simultaneously with the present Voting Paper [i.e. the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Direction*] be placed

on the *Official List of Specific Names in Zoology* as there recommended and that the other action in the said paragraph be similarly approved” and (2), if he did not so agree as regards any given item, to indicate that item.

4. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 28th September 1956.

5. Particulars of the Voting Paper V.P.(O.M.)(56)21 : At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(56)21 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-one (21) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Vokes ; Lemche ; Prantl ; Esaki ; Bradley (J.C.) ; do Amaral ; Sylvester-Bradley ; Boschma ; Key ; Cabrera ; Hankó ; Hemming ; Dymond ; Stoll ; Kühnelt ; Jaczewski ; Mertens ; Bonnet ; Mayr ; Miller ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, four (4) :*

Riley ; Bodenheimer ; Tortonese ; Hering ;

(d) *Voting Papers not returned :*

None.

6. Declaration of Result of Vote : On 29th September 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(56)21, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

7. Preparation of the Ruling given in the present " Direction " : On 15th April 1957, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(56)21.

8. Original References : The original references for the specific names placed on the *Official List of Specific Names in Zoology* by the Ruling given in the present *Direction* have already been noted in connection with the *Official List of Generic Names in Zoology*, the nominal species bearing the names concerned being either (i) the type species of genera, the names of which have been inscribed on that *List* or (ii) in three cases, nominal species each of which is currently subjectively identified as representing the same taxon as that represented by a nominal species which is the type species of such a genus.

9. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

10. The present *Direction* shall be known as *Direction* Seventy-Three (73) of the International Commission on Zoological Nomenclature.

DONE in London, this Fifteenth day of April, Nineteen Hundred and Fifty-Seven.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING